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इस भाग में भिन्न पृष्ठ संख्या दी जाती है, जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017.

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

4th August, 1983

974/Cal/83. Paramec Chemicals Limited. Cleaning wire and the like.

975/Cal/83. Alexander I Kalina. Generation of energy.

976/Cal/83. Hoechst Aktiengesellschaft. Water-soluble copper complex disazo compounds, processes for their preparation and their use as dyestuffs.

977/Cal/83. Sumitomo Chemical Company Limited. Process for producing aminoaryl-β-sulfatoethylsulfone. [Divisional date 11th July, 1980].

5th August, 1983

978/Cal/83. Dr. Werner Freyberg Chemische Fabrik Delitia Nachf. Auto-ignition control of hydrolysable metal phosphides.

979/Cal/83. American Cynamid Company. A method for the preparation of difluoromethoxyaromatic compounds.

980/Cal/83. Musical String Research Bureau Machine for manufacturing string for musical instrument.

981/Cal/83. Musical String Research Bureau. Machine for manufacturing string for musical instrument.

6th August, 1983

982/Cal/83. DELL'ORTO S.p.A. Carburetor for internal combustion engines.

8th August, 1983

983/Cal/83. F. L. SMIDTH & CO. A/S. Material inlet chamber for a rotary kiln. (17th September, 1982).

984/Cal/83. METACON AG. Process and apparatus for controlling a continuous casting plant.

985/Cal/83. International Standard Electric Corporation. Distributed control digital switching system. [Divisional date 24th April, 1979].

986/Cal/83. International Standard Electric Corporation. Distributed control digital switching system. [Divisional date 24th April, 1979].

987/Cal/83. Hoechst Aktiengesellschaft. A process for preparing a mixture of 1 : 2-cobalt complex and 1 : 2-chromium complex azo dyestuffs

988/Cal/83. The Lubrizol Corporation. Hydrocarbyl substituted carboxylic acylating agent derivative containing combination, and fuels containing same.

989/Cal/83. Kabushiki Kaisha Meidensha. Contact material of vacuum interrupter and manufacturing process therefor.

9th August, 1983

990/Cal/83. F. L. Smidth & Co. A/S. Energy control for electrostatic precipitater.

991/Cal/83. Merlin Gerin. Rotating arc electric circuit breaker.

10th August, 1983

992/Cal/83. Monsanto Company. Rubber compositions containing a vulcanization system alternative.

993/Cal/83. International Standard Electric Corporation. Delta-Sigma modulator with switched capacitor implementation.

994/Cal/83. Schorling Gmbh & Co. Waggonbau. Truck.

995/Cal/83. Dunlop Limited. Improvements in or relating to conveyor belting. (20th August, 1982).

ALTERATION OF DATE

151954
966/Cal/81. ante dated to 25th November, 1978.

151963
951/Cal/81. ante dated to 8th February, 1979.

151964
952/Cal/81. ante dated to 8th February, 1979.

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CLASS—131C. 151938.
Int Cl. E 21 d 9/00.

METHOD OF CUTTING MINERAL AT A MINER'S WORK FACE AND COMBINED CUTTING TOOL FOR PRACTISING THE METHOD.

Applicants : BOCHUMER EISENHUTTE HEINTZMANN GmbH & CO., OF NO 80, BESSEMERSTRASSE, 4630 BOCHUM, FEDERAL REPUBLIC OF GERMANY.

Inventors : KUNO GUSE and JOSEF SCHMITJANS.

Application No. 221/Cal/79, filed March 7, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A method of cutting mineral at a miner's work face in the form of rock, coal or the like upon cutting galleries or tunnels as well as upon winning by means of bit-like cutting tools drivable into the work face and movable trackwise substantially parallel thereto and high-pressure water jets coacting therewith, wherein the high-pressure water jets are supplied through recesses within the bit in cutting direction thereof forwardly, but inclined relative thereto in such a way that they close to the cutting base directly penetrate into the cracks and crevices continuously newly forming in the mineral subject to the advance thrust of the bit in front thereof.

Comp Specn 15 pages. Drgs. 4 sheets.

CLASS—50D. 151939.
Int Cl. B 05 b 1/00.

LIQUID DISTRIBUTION ASSEMBLY FOR USE IN COUNTERFLOW LIQUID COOLING TOWERS

Applicants : THE MARLEY COMPANY (PREVIOUSLY KNOWN AS MC ACQUISITION CORPN.) OF 1900 JOHNSON DRIVE, MISSION WOODS, KANSAS 66205, U.S.A.

Inventors : THOMAS WILLIAM BUGLER III and GERALD DEE FRITZ.

Application No 848/Cal/79, filed August 16, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

13 Claims.

A liquid distribution assembly for use in counterflow liquid cooling towers and comprising :

a hollow-cone swirl-type nozzle including a liquid inlet and a liquid outlet for creating a hollow, generally frustoconical curtain of liquid which diverges outwardly from said outlet, said curtain being comprised of liquid particles each travelling along substantially rectilinear paths, with the hollow region defined by said curtain immediately below said outlet being unobstructed for free passage of foreign objects therethrough and relatively free of liquid flow therethrough; and

Structure for dispersing said curtain of liquid, including :

a plurality of stationary liquid-dispersing members each presenting a liquid contacting surface; and

means mounting said members below said outlet, in horizontally spaced relationship to one anotner presenting an annuler ring and in disposition such that a substantial number of said liquid particles contact said liquid-contacting surfaces,

there being an open, unobstructed region below said nozzle outlet and cooperatively circumscribed by said members which has an area greater than the area of said nozzle both of said areas being measured transversely of the longitudinal axis of said frustoconical curtain,

the hollow region defined by said curtain being in communication with said member-defined region for allowing unobstructed passage of said foreign objects from said nozzle outlet, through said communicated regions, and away from said assembly without substantial interference with the latter,

each of said liquid contacting surfaces being configured such that the paths of travel of the liquid particles contacting a respective surface are disposed angularly relative thereto.

Comp. Specn. 13 pages. Drg. 1 sheet.

CLASS—47A. 151940.

Int. Cl. 10 b 57/00.

COAL LIQUEFACTION PROCESS UTILIZING SELECTIVE HEAT ADDITION.

Applicants : GULF OIL CORPORATION OF P.O. BOX 1166 PITTSBURG, PENNSYLVANIA 15230 U.S.A.

Inventors : LAWRENCE J. KIRBY, THOMAS E. RICHARDSON, BRUCE K. SCHMID AND JOHN V. WARD.

Application No. 1148/Cal/79 filed November 3, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A coal liquefaction process comprising passing feed coal together with recycle slurry comprising normally solid dissolved coal, normally liquid coal and mineral residue to a feed slurry mixing vessel operated at a pressure below process pressure; pressurizing mixing vessel effluent slurry to process pressure and passing said mixing vessel effluent slurry at process pressure to a preheater vessel; heating the slurry within said preheater vessel; preheating a first portion of a process hydrogen stream employing heat from outside of the process; mixing said preheated hydrogen with a first portion of preheater vessel effluent slurry to form a hydrogen-slurry mixture; passing said preheated hydrogen-slurry mixture to the upstream region of a dissolver zone to exothermically hydrocrack normally solid dissolved coal to liquid coal and hydrocarbon gases thereby increasing the temperature in the dissolver zone; passing a second and relatively cool portion of process hydrogen at a temperature below the temperature in the dissolver zone to a downstream region of said dissolver zone, passing a second portion of preheater vessel effluent slurry at a temperature below the temperature in said dissolver zone to a downstream region in said dissolver zone; passing a hot dissolver zone effluent stream through high temperature vapor-liquid separator means to remove an overhead stream comprising hydrogen, hydrocarbon gases and naphtha from a separator slurry comprising normally liquid coal and normally solid dissolved coal with suspended mineral residue; passing a portion of said separator slurry to product separation means; and recycling another portion of said separator slurry to said mixing vessel.

Comp. Specn. 15 pages. Drg. 1 sheet.

CLASS—116B. 151941.

Int. Cl. B 65 g 65/28.

STOCKPILE RECLAIMING APPLIANCE.

Applicants : WESERHUTTE AKTIENGESELLSCHAFT OF POSTFACH 10 09 40, D-4970 BAD OEYNHAUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : HELMUT HEUER, WILHELM SCHAPSMEIER AND DIETER POHLMEISTER.

Application No. 1224/Cal/79 filed November 22, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A stockpile reclaiming appliance for the discharging of bulk material stacked on stockpiles with a bridge extending over the width of the stockpile and displaceable in the axis of the stockpile and with a discharging device, which is rotating parallel to the end face of the stockpile, engaging the entire width of the stockpile, discharging the bulk material laterally at the foot of the stockpile and transferring it to a transport equipment connected thereto and which consists of an endless traction means with discharging means fastened to this and is journalled in a supporting framework arranged underneath the displaceable bridge and connected with it, characterised thereby, that the discharging device rotates in a plane inclined to the bed of the stockpile and that the apex of the angle formed between stockpile bed and rotational plane points towards the end face of the stockpile.

Comp. Speech. 9 pages. Drgs. 2 sheets.

Int. Cl. D 01 g 15/46.

CRUSH ROLL ARRANGEMENT FOR A CARD WEB.

Applicants : MASCHINENFABRIK RIETER A.G. OF WINTERTHUR, SWITZERLAND.

Inventors : ROBERT DEMUTH.

Application No. 1270/Cal/79 filed December 6, 1979.

Convention date : 6th December, 1978 (20978/79) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

Crush roll arrangement for a card web with two cooperating working rolls characterised in that at least one of the two working rolls is designed as a hollow member, the substantially cylindrical sleeve of which is under the influence of a pressurized medium wetting the roll inside, and which is elastically deformable in radial direction, and that a second roll is supported at such distance that it counteracts the deformation of the deformable roll locally.

Comp. Specn 19 pages. Drgs. 3 sheets.

CLASS—53C. 151943.

Int. Cl. B 62 M 1/00.

KINEMATIC MECHANISMFOR DRIVING BICYCLES OR THE LIKE HAVING OSCILLATING PEDALS.

Applicants : MARCO MARRACCINI OF VIAREGGIO (LUCCA), VIA ROSMINI 38, ITALY.

Inventors : MARCO MARRACCINI.

Application No. 1272/Cal79 filed December 6, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A kinematic drive mechanism for a wheel of a cycle or the like comprising a drum fixedly connectible to the wheel to be driven for rotation therewith, two toothed sectors housed in the drum and each fixedly connectible to a pedal for pivotal movement therewith, a pinion housed in the drum and meshing with the two sectors, a conical toothed wheel in the drum and fixedly attached to the pinion for rotation therewith, two planet wheels housed in the drum, meshing with the conical toothed wheel, and connected to the drum through respective ratchel wheels, so that the drum may be set in continuously rotating motion by means of alternative pivotal operation of the pedals when connected to the sectors, and means for restoring each of the sectors and thereby each of the pedals when connected thereto, to a rest or start position in turn during the driving stroke of the other.

Comp. Specn. 6 pages. Drgs. 1 sheet.

CLASS—114D. 151944.
Int. Cl. D 06 p 1/82.

AN IMPROVED PROCESS FOR DYEING BOTH CATIONICALLY TANNED AND/OR ANIONICALLY TANNED GRAIN LEATHER WITH ANIONIC DYES.

Applicants : BASF AKTIENGESELLSCHAFT OF 6700 LUDKIGSHAFEN FEDERAL REPUBLIC OF GERMANY.

Inventors : DIETRICH LACH, ROLF STREICHER AND FRANZ FEICHTMAYR.

Application No. 1339/Cal/79 filed December 24, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims. No drawing.

An improved process for dyeing both cationically tanned and/or anionically tanned grain leather with anionic dyes as herein described in the presence of surfactants by dyeing in a drum or dyeing apparatus under the conventional conditions for exhaustion methods, without subsequent moistsorage, wherein the surfactant employed is a combination of (a) an aliphatic alcohol of 9 to 24 carbon atoms oxyethylated with from 3 to 120 ethylene oxide units and (b) an aliphatic primary or secondary amine of 8 to 20 carbon atoms per alkyl group oxylated with from 6 to 80 ethylene oxide units, in the weight ratio a : b from 1 : 4 to 4 : 1 and in a total amount of from 0.3 to 3% based on the weight of the leather to be dyed (called the "shaved weight").

Comp. Specn. 14. Drgs. Nil.

CLASS—131D. 151945.
Int. Cl. B 62 d 5/10.

CONTROL VALVE FOR CONTROLLING PRESSURISED MEDIA IN HYDRAULIC CIRCUITS.

Applicants : ZAHNRADFABRIK FRIEDRICHSHAFEN AKTIENGESELLSCHAFT OF POSTFACH 2520, D-7990 FRIEDRICHSHAFEN 1, WEST GERMANY.

Inventors : ARMIN LANG.

Application No. 101/Cal/80 filed January 28, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Control valve for controlling pressurised media in hydraulic circuits, particularly in hydro static steering systems of motovehicles, having a valve piston mounted with axial sliding mobility in a bore of a valve housing, wherein the valve housing exhibits at least one housing groove and the valve piston ring groove associated with the housing groove and separated from the housing groove in the neutral position of the valve piston by a piston collar guided fluid-tightly in the bore of the valve housing, and wherein the piston collar exhibits recesses distributed round its circumference on its end confronting the piston groove, characterised in that at the ends (17 or 18) of the piston collar (10 or 11) provided with the recesses (19 or 20) there is arranged an additional piston collar (23 or 24) forming a ring throttle gap (25 or 26) with the bore of the valve housing (6) and a ring groove (21 or 22) is arranged between the two piston collars (10 and 23 or 11 and 24).

Comp. Specn. 8. Drgs. 2.

CLASS—181. 151946.
Int. Cl. F 16 j 15/00.

HIGH PRESSURE SHAFT SEAL.

Applicants : GUY F. ATKINSON COMPANY OF 2800 N.W. FRONT AVENUE, PORTLAND, OREGON, U.S.A.

Inventors : ARTHUR RUSSEL MARTINSON AND VICTOR DAY ROGERS.

Application No. 427/Cal/80 filed April 14, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A high pressure shaft seal of the type including a non-rotating seal ring and a rotating seal ring in end face mutual contact, comprising a support ring (75) located behind one of said seal rings, (76) face surfaces on said one seal ring (75) and support ring (75) confronting each other, a single non-resilient annular projection (77) on one of said confronting surfaces engaging the opposite confronting surface to support said one seal ring (76) on said support ring (75), an annular support (71) behind said support ring (75), face surfaces on said annular support (71) and said support ring (75) confronting each other, and a single nonresilient annular projection (72) on one of said last confronting surfaces engaging the opposite confronting surface to support said support ring (75) on said annular support (71), said annular projections having diameters causing said support ring to be normally free of any unbalanced forces, and said annular projections being of narrow width in relation to the radial width of said support ring.

Comp. Specn. 24 Pages. Drgs. 3 sheets.

CLASS—69-A. 151947.

Int. Cl. H 01 h1/00.

HIGH-VOLTAGE ELECTRICAL SWITCH.

Applicants : SIEMENS AKTIENGESELLSCHAFT OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : PETER WERNER.

Application No. 606/Cal/80 filed May 23, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A high-voltage electrical switch comprising a housing, two fixed contact members projecting into the housing, a rotatable drive shaft, and a contact bridge mounted on the drive shaft for movement into and out of a contact position where it establishes electrical contact between said contact members, each of said contact members or each end of the contact bridge being formed as a blade having a relatively constricted portion followed by a relatively enlarged end portion, each end of the contact bridge or each contact member, respectively, comprises resilient jaws which are adapted to be forced apart by a respective one of said blades the arrangement being such that as the drive shaft is rotated to bring the contact bridge into said contact position, ends of said jaws make an initial electrical contact with said constricted portions, and subsequently said jaws make a main electrical contact with said enlarged portions.

Comp. Specn. 7 pages. Drgs. 1 sheet.

CLASS—32E. 151948
Int. Cl. C 08 1 3/00, 15/00.

PROCESS FOR PRODUCING OLEFIN POLYMERS OR COPOLYMERS.

Applicants : MITSUI PETROCHEMICAL INDUSTRIES LTD. OF 2-5, 3-CHOME KASUMIGASEKI, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) MAMORU KIOKA, (2) HIROAKI KITANI, AND (3) NARIO KASHIWA.

Application No. 706/Cal/80 filed June 18, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawing.

In a process for producing a polymer or copolymer of an olefin which comprises polymerizing or copolymerizing the olefin or olefins with or without up to about 5 moles of a diolefin in the presence of a catelyst composed of (A) a solid titanium catalyst component containing magnesium, titanium, halogen and an electron donor and derived from a magnesium compound in the liquid state, a halogen—containing titanium compound in the liquid state and the electron donor, and (B) an organometallic compound of a metal selected from the group consisting of metals of Groups I to III of the periodic table; the improvement wherein (I) said catalyst component (A) is the product of reaction of (a) a magnesium compound in the liquid state having no reducing ability with (b) a titanium compound in the liquid state in the presence of an electron donor having no active hydrogen, said magnesium compound (a) being a liquid magnesium compound or a solution of a magnesium compound or being obtained by contacting the magnesium compound with at least one electron donor selected from the group consisting of alcohols, organic carboxylic acids, aldeydes, amines and mixtures thereof, or the product of reaction of the magnesium compound (a) with the titanium compound (b) in the absence of the electron donor having no active hydrogen atom followed by treatment with the electron donor having no active hydrogen atom, and (ii) the more ratio of the compound (a) to the compound (b) calculated as metal atoms is at least about 2.

Comp. Specn. 48 pages. Drgs. Nil.

CLASS—160-D. 151949.
Int. Cl. B 62 d 21/00.

FRAME STRUCTURE FOR CONSTRUCTION VEHICLES.

Applicants : HITACHI CONSTRUCTION MACHINERY CO. LTD. OF 2-10 UCHI-KANDA-1-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : TAKESHI FURUICHI.

Application No. 858/Cal/80 filed July 25, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A frame structure for construction vehicle having a lower frame and a pair of track frames connected to the lower frame, said frame structure comprising : A pair of beams of an alongated box shape constituting a part of said lower frame and extending substantially horizontally crosswise of the vehicle; bracket means secured to an upper surface of each of said track frame and receiving each of opposite end portions of each of said beams; and pin means for fastening said each end portion of said each beam to said bracket means thereby to connect said lower frame to and track frames.

Comp. Specn. 24 pages. Drgs. 4.

CLASS—68E, E 190B. 151950.
Int. Cl. F01 17/20, 17/24.

REGULATING MEANS FOR A STEAM TURBINE INSTALLATION.

Applicants : KRAFTWERK UNION AKTIENGESELLSCHAFT OF 433 (RUHR), WIESENSTR, 35, FEDERAL REPUBLIC OF GERMANY.

Inventors : ROLF REIFENBERG.

Application No. 959/Cal/80 filed August 21, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

Regulating means for a steam turbine installation, which steam turbine installation comprises an intermediate superheater downstream of a high-pressure turbine and upstream of a medium-pressure turbine and/or a low-pressure turbine, and which steam turbine installation has at least one live steam regulating valve upstream of the high-pressure turbine and at least one intercepting regulating valve upstream of the medium-pressure turbine and/or the low-pressure turbine, which regulating means is adapted to operate simultaneously the live steam regulating valve in dependence upon a prescribed characteristic of the live steam regulating valve and the intercepting regulating valve in dependence upon a prescribed characteristic of the intercepting regulating valve, and which regulating means comprises a limit valve detecting device adapted to respond when a prescribed thermal loading of the high-pressure turbine is reached, and an adjustment means which is adapted to be controlled by the limit valve detecting device and which is adapted to adjust the normal correlation between the characteristic of the live steam regulating valve and the characterjstic of the intercepting regulating valve so that the mass flow of steam through the high-pressure turbine relative to the mass flow of steam through the medium-pressure turbine and/or the low-pressure turbine is increased.

Comp. Specn. 25 pages. Drgs. 2 sheets.

CLASS—32F-1 40 B. 151951.
Int. Cl. B 01 j 11/22, C 07 c 17/08, 19/00.

IMPROVED METHOD FOR THE PREPARATION OF ALUMINA-SUPPORTED COPPER CATALYST COMPOSITIONS FOR FLUID-BED HYDROCARBON OXY-HYDROCHLORINATION.

Applicants : THE B.F. GOODRICH COMPANY OF 277 PARK AVENUE, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : JAMAL SHAHAB EDEN.

Application No. 1207/Cal/80 filed October 24, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims. No drawings.

An improved method for the preparation of a catalyst composition in the process of oxyhydrochlorinating ethylene characterized in that the fluidized catalyst composition is prepared by first depositing on a particulate gamma alumina support, having a surface area from 60 to 200 m^2/g, a water solution of one or more salts of a metal selected from the class consisting of potassium, lithium, rubidium, cesium, an alkaline earth metal, and a rare earth metal, such that the level of metal is from 0.5% to 3.0% by weight of the total weight, calcining the mixture at a temperature of from 300°C to 600°C for 2 to 10 hours; then depositing a water solution of copper chloride on the support such that the level of copper on the catalyst is from 2% to 12% by weight of the total weight, followed by drying the mixture.

Comp. Specn. 18 pages. Drgs. Nil.

CLASS—108B1. 151952.
Int. Cl. C 21 b 13/02.

AN IMPROVED PROCESS FOR CONTINUOUS DIRECT REDUCTION OF IRON ORE IN SHAFT FURNACE BY GASEOUS REDUCTANTS.

Applicants & Inventors : PRATIK KUMAR GHOSH OF 82, HARI GHOSH STREET, CALCUTTA-700006, WEST BENGAL, INDIA.

Application No. 489/Cal/81 filed May 8, 1981.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An improved process for the direct reduction of iron ore in shaft furnace by either hydro-carbon containing or without hydro-carbon containing gaseous fuel where the furnace continuously receives iron ore from the top and continuously discharges the metallised product from the bottom in cold condition characterized in that the entire top gas is recycled back to the furnace after drying and purification, in two routes, a part of the top gas is recycled back to the furnace after drying and purification and the other part is used as fuel for preheating the recycled top gas, mix of desulphurised fuel gas and purified dry top gas is injected into the furnace well below the level of the hot recycled top gas inlets, the region above the hot recycled top gas inlets is the reduction zone and the region below that is the cooling zone, the mixed gas cools the hot metallised products in the cooling zone recovering their sensible heat and acts as reductant in the reduction zone along with the recycled top gas, the furnace being operated at a conventional high pressure, thermocouples placed at the reduction zone control the temperature within a very close limit to the preset value of the conventional temperature and the flow sheet offers the scope of using any type of gaseous fuel as reductant giving a very high quality sponge iron product characterized by simple operation of plant and maximum conservation of energy.

Comp. Specn. 18 pages. Drgs. 2 sheets.

CLASS—$83A_1$, $83A_4$. 151953.
Int. Cl. A 23 j 1/14.

A PROCESS FOR PREPARATION A HIGH PROTEIN LOW FAT FOODSTUFF MATERIAL.

Applicants : SOPRO PRODUCTS, INC. OF 600 FIRST FEDERAL PLAZZA, ROCHESTER, NEW YORK 14614, U.S.A.

Inventors : STEPHEN C. P. HWA.

Application No. 695/Cal/81 filed June 26, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office, Calcutta.

11 Claims.

A process for preparing a high protein, low fat food-stuff material comprising the steps of : a. extracting by method such as herein described protein from a defatted soy bean material with water to provide an aqueous protein extract having at least 2.0 weight percent protein. b. separating residual defatted soy bean material from the aqueous protein extract, c. coagulating protein from the aqueous protein extract to produce a protein curd product and a whey by adjusting the pH to within the range of from 5.4 to 8.0 and heating the aqueous protein extract to within a temperature range of from 80°C to 170°C, d. separating the protein curd product from the whey, and e. washing the protein curd product with water to produce a high protein, low fat foodstuff.

Comp. Specn. 22 pages. Drgs. 1 sheet.

CLASS—32F2b, 55E4, 60X 2a. 151954.
Int. Cl. C 07 d 99/00, A 61 k 21/00.

PROCESS FOR THE PREPARATION OF 3-SUBSTITUTED 1, 3-OXAZINO-(5, 6, -c) RIFAMYCINS.

Applicants : HOLCO INVESTMENT INC. OF CALLE 36, NO. 5-16, PANAMA.

Inventors : TIBERIO BRUZZESE.

Application No. 966/Cal/81 filed August 28, 1981.

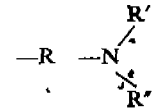
Convention date : 25th November, 1977/(49148/77) U.K.

Division of Application No. 1275/Cal/78 filed 25th Nov. 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office, Calcutta.

11 Claims. No Drawing.

A process for the preparation of 3-substituted 1, 3-oxazino (5, 6-c)- rifamycins, which comprises reacting rifamycin S with a i, 3, 5-trisubstituted hexahydro-1, 3, 5-triazine, the substituents being alkyl radicals containing up to 6 carbon atoms or being radicals of the general formula :—



in which R is an alkylene radical containing up to 3 carbon atoms and R' and R", which can be the same or different, are alkyl radicals containing up to 3 carbon atoms or R' and R", together with the nitrogen atom to which they are attached, or R and R' together with the notrogen atom to which they are attached, form a cyclic structure, in an aprotic dipolar solvent at a temperature varying from 20 to 100°C. to give a 3-substituted 1, 3-oxazino (5, 6-c)-rifamycin.

Comp. Specn. 16 pages. Drgs. Nil.

CLASS—201D. 151955.
Int. Cl. B 01 d 21/02.

FLOATING APPARATUS FOR CLARIFICATION OF WATER.

Applicants : (1) NAUCHNO-ISSLEDOVATELSKY INSTITUT VODNYKH PROBLEM OF BAKU AKADEMGORODOK, U.S.S.R. AN D(2) NAUCHNO-ISSLEDOVVODY AKADEMII KOMMUNALNOGO KHOZYAISTVA IMENI K.D. PAMFILOVA OF VOLOKOLAMSKOE SHOSSE, 87, MOSCOW, U.S.S.R.

Inventors : (1) IGOR SERGEEVICH KOBOZEV, (2) ISMAIL SAIYAT OGLY BABAEV, (3) SERGEI ALEXANDROVICH SHUBERT, (4) MUSA ALISA OGLY AKHMEDOV, (5) MAX TUVIEVICH BLINER AND (6) JURY VLADIMIROVICH POSTNOV.

Application No. 1210/Cal/79 filed November 20, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office, Calcutta.

5 Claims.

A floating apparatus for clarification of water, comprising a settler having a plurality of parallel inclined through passages for upwardly passing therethrough water from a water basin and for enabling solid particles suspended in the water to settle on the walls of the passages and subsequently slide down into the water basin, an enclosure encompassing the settler and divided at the bottom portion by vertical partition walls into cells communicating with the inlet openings of the settler passages for a dispersed admission of water into the settler, and a collector adapted to uniformly collect water flowing out of the settler, which collector is a system of horizontal channels forming a single channel communicating with a piping for discharging clarified water, said settler, enclosure, and collector being mounted on a floating means.

Comp. Specn. 21 pages. Drgs. 2 sheets.

CLASS—63B. 151956.
Int. Cl. H 01 b 3/00.

PROCESS FOR PRODUCING ELECTRIC MACHINE WINDINGS.

Applicants : HITACHI LIMITED OF 5-1, 1-CHOME, MARUNOUCHI CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) MASAHIKO SAKAI, (2) TOSHIKAZU NARAHARA, (3) TORU KOYAMA, (4) SHINICHI TOYODA (5) KAZUO GOTO.

Application No. 490/Cal/79 filed May 11, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office, Calcutta.

8 Claims.

A process for producing an electric machine winding which comprises wrapping composite insulating material around an electrical conductor, said composite insulating material having been obtained by bonding two or more insulating materials with a silicone resin containing hydroxyl groups in the molecular structure as herein described. Impregnating said

wrapped composite insulating material with an insulating varnish comprising 1 equivalent of polyfunctional epoxy compound and 2.5 to 25 equivalents of a polyfunctional isocyanate compound, and curing the resulting impregnated composite insulating material at a temperature of 80° to 160°C.

Comp. Specn. 37 pages. Drgs. 1 sheet.

CLASS—158E2. 151957.
Int. Cl. B 61 d 17/00.

RAILWAY VEHICLES.

Applicants : BRITISH RAILWAYS BOARD, OF 222 MARYLEBONE ROAD, LONDON N.W.1., ENGLAND.

Inventors : DR. MAURICE GEORGE POLLARD AND ALLAN SUTTON.

Application No. 541/Cal/79 filed May 26, 1979.

Convention date : 26th May, 1978(23576/78) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A railway vehicle of the kind having at least two wheel-sets, each with a live axle mounted in a respective pair of axle bearings, at least one axle bearing of one wheel-set being elastically interconnected with at least one axle bearing of the other wheel-set through bracing means providing bracing between the wheel-sets, wherein said bracing means comprise a frame structure for each wheel-set, which extends transversely of the vehicle and is rigidly connected at their outer ends between axle boxes housing said axle bearings of its respective wheel-set, said frame structures being shaped so that their inner ends are mutually positioned at a central position between the wheel-sets, and said inner ends are at a level which is below the axle height of the vehicle, and are connected together by said elastic connection.

Comp. Specn. 15 pages. Drgs. 3.

CLASS—33D. 151958.
Int. Cl. B 22 d 27/20.

A WITHDRAWAL METHOD OF DIRECTIONAL SOLIDIFICATION OF A CASTING OF METAL OR ALLOY FOR PRODUCING A DIRECTIONALLY SOLIDIFIED ARTICLE AND A DIRECTIONALLY SOLIDIFIED ARTICLE THUS PRODUCED.

Applicants : UNITED TECHNOLOGIES CORPORATION OF 1 FINANCIAL PLAZA, HARTFORD, CT 06101, UNITED STATES OF AMERICA.

Inventors : ANTHONY FRANCIS GIAMEI.

Application No. 1098/Cal/79 filed October 22, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office, Calcutta.

11 Claims.

A withdrawal method of directional solidification of a casting of metal or alloy particularly super alloy for producing a directionally solidified article such as solid metal casting having differing perimeters to area ratio P/A along its length, comprising : (a) maintaining a hot zone at a temperature above the liquidum temperature of the metal of the casting; (b) maintaining a cold zone at a temperature below the solidus temperature of the metal of the casting; (c) withdrawing the casting progressively from the hot zone to the cold zone to effect movement of a nominal solidification interface which is located between the liquidus isotherm and the solidus isotherm, at a rate which directionally solidifies at least a substantial portion of the casting; (d) and effecting movement of the solidification interface through another portion of the casting by withdrawing the casting progressively from the hot zone to the cold zone, at a rate different from that in (c) in order to influence the microstructure of the solidified article characterized in that, when the withdrawal rate is varied the transition from the existing withdrawal rate to the new rate of withdrawal is effected according to a pre-determined mathematical relationship as herein defined between rate and time which represents a smooth transitional function excluding a step function as herein defined and selected from the group consisting of convex curve-function as shown under references IB, IIB, IB' and IIB' in Fig. 5, linear functions, and S-shaped curve function so that defects in the microstructure of the solidified article at the transitions from one to another P/A ratio are avoided, the first derivative of the said relationship never reversing its sign by passing through zero.

Comp. Specn. 43 pages. Drgs. 4.

CLASS—129J. 151959.
Int. Cl. B 21 b 39/00.

METHOD AND APPARATUS FOR THE CONTINUOUS PRODUCTION OF METALLIC STRIP FROM A MELT.

Applicants : KENNECOTT COPPER CORPORATION OF 161 EAST 42ND STREET, CITY AND STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : TERRY FREDERICK BOWER, GEORGE SHINOPULOS AND MYRON RONALD RANDLETT.

Application No. 1138/Cal/79 filed October 31, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office, Calcutta.

7 Claims.

A method for the continuous production of metallic strip from a melt comprising : continuously casting a metallic rod from said melt in a pattern of forward and reverse strokes with respect to a continuous casting mold; continuously transforming the forward and reverse strokes of said rod to a forward motion having a substantially constant forward velocity; and continuously hot rolling said continuously produced rod into finished strip; said casting step, transforming step and hot rolling step being performed to act on a metal rod which is continuous from said mold through said hot rolling step to continuously form an integrated strip.

Comp. Specn. 15 pages. Drgs. 4.

CLASS—48A 1 & 4. 151960.
Int. Cl. F 16 g 11/00.

A SEALING MEMBER ADAPTED TO BE PUSH-FITTED ON THE END OF A SHIELDED ELECTRICAL POWER CABLE.

Applicants : SIMENS AKTIENGESELLSCHAFT OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : (1) KLAUS KRETSCHMER, (2) PETER TUSCHY.

Application No. 1260/Cal/79 filed November 30, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A sealing member adapted to be push-fitted on the end of a shielded electrical power cable having an insulated core and an external conductive layer, said insulated core having an external perimeter of a predetermined value, and said sealing member comprising a hollow electrically insulative body defining an internal passage of circular cross-section in which the end of the power cable can be received and a hollow field-controlling deflector arranged in said insulative body so as to define a part of said internal passage, in which : (a) the insulative body is made of a resiliently deformable material having a Shore-A hardness of up to 35; (b) the perimeter of said passage, in the undeformed state of the sealing member, is at least 16% smaller than the predetermined external perimeter of the insulated core; and (c) the insulative body is substantially cylindrical, in the region of said field-controlling deflector, and the combined wall thickness of the insulative body and the deflector in this region is 6 to 15 mm.

Comp. Specn. 10 pages. Drgs. 1 sheet.

CLASS—172C$_5$. 151961.
Int. Cl. D 01 g 9/00.

FIBRE SLIVER OPENING ROLLER FOR AN OPEN-END SPINNING DEVICE AND SAID DEVICE HAVING SAID ROLLER.

Applicants : MASCHINENFABRIK RIETER A.G., WINTERTHUR, SWITZERLAND.

Inventor : HERBERT STALDER.

Application No. 79/Cal/80 filed January 19, 1980.

Convention date 23rd January, 1979 (02427/79) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A fibre sliver opening roller for an open-end spinning device with needles having needle shafts inserted in bores provided in a cylindrical body, the points of the needles protruding from the cylindrical body, wherein an outer, wide recess (32, 47) clearing the needles on all sides, is provided with a side wall and a base, smaller bores adjacent to the base being positioned lower than the base and the needle shafts being tightly held in the smaller bores.

Comp. Specn. 13 pages. Drgs. 2 sheets.

CLASS—32E. 151962.
Int. Cl. C 08 f 1/00; 7/04.

IMPROVED METHOD OF MANUFACTURING RUBBER MODIFIED STYRENES RESINS.

Applicant : MITSUI TOATSU CHEMICALS, INCORPORATED AND TOYO ENGINEERING CORPORATION, OF NO. 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventor : MUNE IWAMOTO, NORIFUMI ITO, YUZURU ISHIDA AND TETSUYUKI MATSUBARA.

Application No. 1198/Cal/80 filed October 23, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawing.

An improved method of manufacturing rubber modified styrene resins from a styrene monomer and a butadiene polymer by bulk polymerization or solution polymerization using an organic peroxide as an initiator or radical polymerization characterized by the improvement that the polymerization is carried out in :

(A) a first step of polymerizing the styrene monomer in the presence of the butadiene polymer and the organic peroxide in the respective amounts of 100 parts by weight, 3 to 15 parts by weight, and 0 to 0.01 parts by weight, until the polymer obtained from the styrene monomer becomes 2 to 5 times more than the weight of butadiene polymer; and then

(B) subjecting the polymer mixture from the first step and upto 200 parts by eight of the styrene monomer in the presence of increased amounts of the peroxide, viz. 0.01 to 0.9 parts by weight of the organic peroxide until the polymer obtained from the styrene monomer becomes at least 1.5 times of the yield of the first step, and wherein the first step of polymerization is carried out using single or plural number of agitator type polymerization vessels connected in series, continuously supplying 100 parts by weight of the styrene monomer and 3 to 15 parts by weight of the butadiene polymer per unit time to the first polymerization vessel, feeding continuously 0 to 0.01 parts by weight of the organic peroxide to the first vessel in full amount or to a plurality of polymerization vessels in divided portions and conducting polymerization until the polymerization yield of the styrene monomer in the final polymerization vessel becomes 2 to 5 times more than the weight of the butadiene polymer and the second step of polymerization is continuously carried out by feeding to the first stage of single or plural number of reactors connected in series the full amount of polymerization liquid discharged from the first step upto 200 parts by weight of the fresh styrene monomer, and 0.01 to 0.9 parts by weight of the organic peroxide, and conducing polymerization until the polymerization yield of the styrene monomer in the final stage becomes more than 1.5 times of the yield of the first step.

Comp. Specn. 24 pages. Drgs. Nil.

CLASS—31A. 151963.
Int. Cl. H 03 h 3/00.

METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE.

Applicant : HITACHI LTD., 5-1, 1-CHOME, MARUNOUCHI, CHIYODA-KU, TOKYO, JAPAN.

Inventors : KANJI YOH, OSAMU YAMASHIRO, SATOSHI MEGURO, KOICHI NAGASAWA, KOTARO NISHIMURA, HARUMI WAKIMOTO AND KAZUTAKA NARITA.

Application No. 951/Cal/81 filed August 26, 1981.

Division of No. 118/Cal/79 filed February 8, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A method of manufacturing a semiconductor device with at least a pair of insulated gate field-effect transistors having semiconductor gate electrodes of different conductivity types, comprising the steps of :

preparing a semiconductor substrate having a semi-conductor region of one conductivity type extending to a major surface of said semiconductor substrate;

forming an insulating film over said major surface at a first portion of said semiconductor region and at a second portion of said semiconductor region, and forming a semiconductor layer of a first conductivity type over said insulating film overlying said first and second portions of the semiconductor region;

removing said semiconductor layer to form first and second semiconductor gate electrodes at said first and second portions of the semiconductor region respectively;

selectively forming a mask over said first semiconductor gate electrode except for said second semiconductor gate electrode; and

selectively introducing an impurity of a second conductivity type different from said first conductivity type and opposite to the conductivity type of said semiconductor region into said first and second portions of the semiconductor region using said mask, to form source and drain semiconductor regions of the second conductivity type on opposite sides of each of said first and second gate electrodes, and to convert the first conductivity type of said second semiconductor gate electrode to the second type as well as to convert the first conductivity type of the periphery portions of said first semiconductor gate electrode to the second conductivity type.

Comp. Specn. 119 pages. Drgs. 52 sheets.

CLASS—31A. 151964.
Int. Cl. H 03 h 3/00.

A BATTERY CHECKER FOR CHECKING A BATTERY VOLTAGE IN A REFERENCE VOLTAGE GENERATOR DEVICE.

Applicant : HITACHI LTD., 5-1, 1-CHOME, MARUNOUCHI, CHIYODA-KU, TOKYO, JAPAN.

Inventors : KANJI YOH, OSAMU YAMASHIRO, SATOSHI MEGURO, KOICHI NAGASAWA, KOTARO NISHIMURA, HARUMI WAKIMOTO AND KAZUTAKA NARITA.

Application No. 952/Cal/81 filed August 26, 1981.

Division of No. 118/Cal/79 filed February 8, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A battery checker for checking a battery voltage comprising :

a differential amplifier including first and second insulated gate field-effect transistors (IGFETs) which have a difference of threshold voltages corresponding to a difference of Fermi levels of gate electrodes thereof, both said gate electrodes of said first and second IGFETs being made of an identical semiconductor material and different from each other in the conductivity types of the identical semiconductor material, a gate of said first IGFET being used as a first input terminal of said differential amplifier while a gate of said second IGFET being used as a second input terminal of said differential amplifier, said differential amplifier having an output terminal for deriving an output signal in response to a potential difference between said first and second input terminals, and said differential amplifier having an input offset, corresponding to said difference of threshold voltages;

a voltage input terminal coupled to said first input terminal of said differential amplifier for applying a voltage of the battery thereto; and

a reference input 'terminal coupled' to said second input terminal of said differential amplifier for applying a reference potential thereto, whereby an output signal in response to a potential difference between said battery voltage and said input offset of said differential amplifier is derived from said output terminal of said differential amplifier.

Comp. Specn. 121 pages. Drgs. 52 sheets.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the Officer-in-charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, two rupees per copy :—

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PATENTS SEALED

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CESSATION OF PATENTS

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RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 148721 granted to Council of Scientific and Industrial research for an invention relating to "a process for the production of 17a-(2-Acetoxyethyl)-3 β-Pyrrolidino-17-a-aza-D-Homoandrost-5-ENE Dimethiodide". The patent ceased on the 16th July, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 9th July, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 10th Nov. 1983 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application for restoration of Patent No. 143863 dated the 20th July, 1976 made by Jute Textile Servicing Corporation on the 25th March, 1980 and notified in the Gazette of India, Part-III, Section 2 dated the 23rd August, 1980 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 142669 dated the 4th November, 1974 made by Harisbhai Shantilal Gandhi, Kirtibhai Shantilal Gandhi & Himatbhai Shantilal Gandhi on the 27th July, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 26th Jan. 1980 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 152977. Khaitan Fans Private Limited, an Indian Company, of Everest, 46C, J. L. Nehru Road, 18th Floor, Calcutta-700 071, West Bengal, India. "Regulator for Fan". 8th April, 1983.

Class 1. No. 152768. R. B. Injecto-Plast, Sole-Proprietary concern, of Unit No. 10-A, Adhyaru Industrial Estate, Ground floor, New Sun-Mill Compound, Lower Parel, Bombay-400 013, Maharashtra State. "Metal Rims of calendars with hanging devier". 15th February, 1983.

Class 1. No. 152757. Anjali Products, 170 Bombay Talkies Compound, Malad (West), Bombay-400 064, State of Maharashtra, an Indian Partnership firm. "An *Apple Cutter*" *9th February*, 1983.

Class 1. No. 153308. (1) Vijay M. Atawane, (2) Sunil M. Atawane and (3) Sripathi Das Champadi, all Indain Nationals, carrying on business in partnership under the firm name of Easy Appliances, registered under the Indian Partnership Act, 1932, of 4 Trimurti 16, J. B. Nagar, Bombay-400059, State of Maharashtra, India. "Filter for drinking water composed of metal". 27th July 1983.

Class 1. No. 152681. Raginal & Co., whose Sole Proprietor R. Rozario, 77, Lenin Sarani, Calcutta-700013, West Bengal, India. "Gobar Gas Plant". 17th January, 1983.

Class 3. No. 153276. K. M. Toys, an Indian Proprietary concern, C-31, Street No. 12, Old Gobindpura, Parwana Road, Khureji Khas, Delhi-110051. "Motor Cycle (Toy)". 18th July, 1983.

Class 3. No. 152978. Khaitan Fans Private Limited, an Indian Company of Everest, 46C, J. L. Nehru Road, 18th Floor, Calcutta-700 071, West Bengal, India. "Regulator for Fan". 8th April, 1983.

Class 3. No. 152911. Rashmi Somabhai Patel Indian National of No. 2 Shanker Smruti, 37, Marve Road, Malad (West), Bombay-400 064, State of Maharashtra, India. "A Plastic Cap". 19th March, 1983.

Class 3. No. 152393. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400 038, Maharashtra, India, an Indian Company. "A Proximity Switch". 21st October, 1982.

Class 3. No. 153173. N. R. Dongre, Director Usha Intercontinental (Proprietor General Sales Private Limited), Delhi-8, Malcha Marg Market, New Delhi-110021, India. An Indian Company. "Hand & Motorized Cabinet for Sewing Machine". 4th June 1983.

Class 3. No. 153213. Milton Plastics, a registered Indian Partnership firm, registered under the Indian Partnership Act, 1932 having Office at 202/203 Raheja Centre, 214, Nariman Point, Bombay 400 021, Maharashtra, India. "Insulated Water Jug". 17th June, 1983.

Class 3. No. 153292. Rajdeep Plastics, 17, Jamnadas Industrial Estate, Dr. Rajendra Prasad Road, Opp: Jawahar Talkies, Mulund (West), Bombay-400080, Maharashtra State, the Indian registered Partnership firm. "Open Mouth Round Drum". 22nd July, 1983.

Class 3. No. 153309. Pradip Parshuram Herekar, 510, Budhwar Peth, Poona-2, whose nationality is Indian. "Educational Wooden Watch-Board". 27th July, 1983.

Class 3. No. 153039. Prabhat Industries, A-104/114, Wazirpur Industrjal Area, Delhi-110052, an Indian Parnership concern. "TRAY". 21st April, 1983.

Class 3. No. 152909. Rashmi Somabhai Patel, Indian National of No. 2 Shanker Smruti, 37, Marve Road, Malad (West), Bombay-400 064, State of Maharashtra, India. "A Plastic Container". 19th March, 1983.

Class 3. No. 152677. Sony Kabushiki Kaisha, a Japanese Company, of 7-35, Kita Shinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan. "Video Cassette". 15th January, 1983.

Class 3. No. 152917. The Gillette Company, a company organized and existing under the laws of the State of Delaware, United States of America, of Prudential Tower Building, Boston, State of Massachusetta, United States of America. "RAZOR". 19th March, 1983.

Class 3. No. 153054. Minni Trading Corporation, 5-B, Kanchan Villa, Goraswadi, Malad (West), Bombay 400064, Maharashtra, an Indian Partnership Firm. "Tin Pourer plug with Cap". 26th April, 1983.

Class 3. No. 153210. Paramount Polymers, a registered Indian partnership firm of Room No. 9, 4th floor, 336B, Kalbadevi Road, Bombay-400 002, Maharashtra State, Manufacturers and merchants. "Gum pen with ball and spring". 16th June, 1983.

Class 4. No. 153089. Dabur (Dr. S. K. Burman) Private Limited, an Indian Company, 22-Site-IV, Sahibabad, Ghaziabad, Uttar Pradesh, India. A Company incorporated under the Indian Companies Act. "Container". 12th May, 1983.

Class 10. No. 153306. Sada Ram & Sons, Badrinath Marg, Kotdwara, Uttar Pradesh, a firm registered under Indian Partnership Act, 1932. "Foot Wear". 27th July, 1983.

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DR. K. V. SWAMINATHAN,
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